

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of **APR 30 2002**

Tomonaga YAMAMOTO et al.

Serial No. 09/871,642

Group Art Unit: 2834

Confirmation No. 9776

Filed: June 4, 2001

Examiner: H. Elkassabgi

For: A ROTOR FOR A SYNCHRONOUS MOTOR DEFINED BY A HYPERBOLIC  
FUNCTION (AS AMENDED)

#7/a  
D. EVANS  
5-3-02

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MAY - 1 2002  
TECHNOLOGY CENTER 28000

AMENDMENT UNDER 37 C.F.R. §1.111

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

This is in response to the Office Action mailed January 30, 2002, and having a period for response set to expire on April 30, 2002. Therefore this Amendment is timely filed before April 30, 2002.

The following amendments and remarks are respectfully submitted. Reconsideration of the claims is respectfully requested.

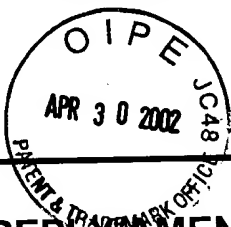
**IN THE TITLE:**

Please REPLACE the Title with the following: A ROTOR FOR A SYNCHRONOUS  
MOTOR DEFINED BY A HYPERBOLIC FUNCTION (AS AMENDED)

**IN THE SPECIFICATION:**

Please AMEND the specification page 5, paragraphs 3-4 in accordance with the following:

FIG. 3 shows a cross section of a rotor of a synchronous motor on a plane perpendicular to an axis of a rotor shaft 2 according to a third embodiment. Magnets 1 each having an outer periphery defined by a curve of a hyperbolic function are fixed on an outer



S&amp;H Form: (10/01)

**REPLY/AMENDMENT  
FEE TRANSMITTAL**

<b>REPLY/AMENDMENT FEE TRANSMITTAL</b>	Attorney Docket No.	392.1716	
	Application Number	09/871,642	
	Filing Date	June 4, 2001	
	First Named Inventor	Tomonaga YAMAMOTO, et al.	
	Group Art Unit	2834	
AMOUNT ENCLOSED	0.00	Examiner Name	H. Elkassabgi

**FEE CALCULATION (fees effective 10/01/01)**

CLAIMS AS AMENDED	Claims Remaining After Amendment	Highest Number Previously Paid For	Number Extra	Rate	Calculations
TOTAL CLAIMS	14	- 20 =	0	X \$ 18.00 =	\$ 0.00
INDEPENDENT CLAIMS	2	- 3 =	0	X \$ 84.00 =	0.00
Since an Official Action set an <u>original</u> due date of <u>April 30, 2002</u> , petition is hereby made for an extension to cover the date this reply is filed for which the requisite fee is enclosed (1 month (\$110); 2 months (\$400); 3 months (\$920); 4 months (\$1,440); 5 months (\$1,960)):					
If Notice of Appeal is enclosed, add (\$320)					
If Statutory Disclaimer under Rule 20(d) is enclosed, add fee (\$110)					
Total of above Calculations =					\$ 0.00
Reduction by 50% for filing by small entity (37 CFR 1.9, 1.27 & 1.28)					\$ 0.00
TOTAL FEES DUE =					\$ 0.00

- (1) If entry (1) is less than entry (2), entry (3) is "0".  
(2) If entry (2) is less than 20, change entry (2) to "20".  
(4) If entry (4) is less than entry (5), entry (6) is "0".  
(5) If entry (5) is less than 3, change entry (5) to "3".

**METHOD OF PAYMENT**

- ☐ Check enclosed as payment.
- ☐ Charge "TOTAL FEES DUE" to the Deposit Account No. below.
- ☒ No payment is enclosed and no charges to the Deposit Account are authorized at this time (unless specifically required to obtain a filing date).

**GENERAL AUTHORIZATION**

- ☒ If the above-noted "AMOUNT ENCLOSED" is not correct, the Commissioner is hereby authorized to credit any overpayment or charge any additional fees necessary to:
- Deposit Account No. 19-3935
- Deposit Account Name STAAS & HALSEY LLP
- ☒ The Commissioner is also authorized to credit any overpayments or charge any additional fees required under 37 CFR 1.16 (filing fees) or 37 CFR 1.17 (processing fees) during the prosecution of this application, including any related application(s) claiming benefit hereof pursuant to 35 USC § 120 (e.g., continuations/divisionals/CIPs under 37 CFR 1.53(b) and/or continuations/divisionals/CPAs under 37 CFR 1.53(d)) to maintain pendency hereof or of any such related application.

SUBMITTED BY: STAAS &amp; HALSEY LLP

Typed Name	Heath E. Wells	Reg. No.	43,257
Signature	<i>Heath E. Wells</i>	Date	29 Apr 02

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